

# CHALLIS AIRPORT

This report describes how your pavement maintenance management program was developed. This program was developed as part of the Network Pavement Management Program project sponsored by the Idaho Transportation Department, Division of Aeronautics. The information and data contained in this report ensures you are in compliance with the requirements of Federal Aviation Administration (FAA) Grant Assurance Number 11 which states that any airport requesting federal funds for pavement improvement projects must have implemented a pavement maintenance management program (PMMP).

## DATA COLLECTION

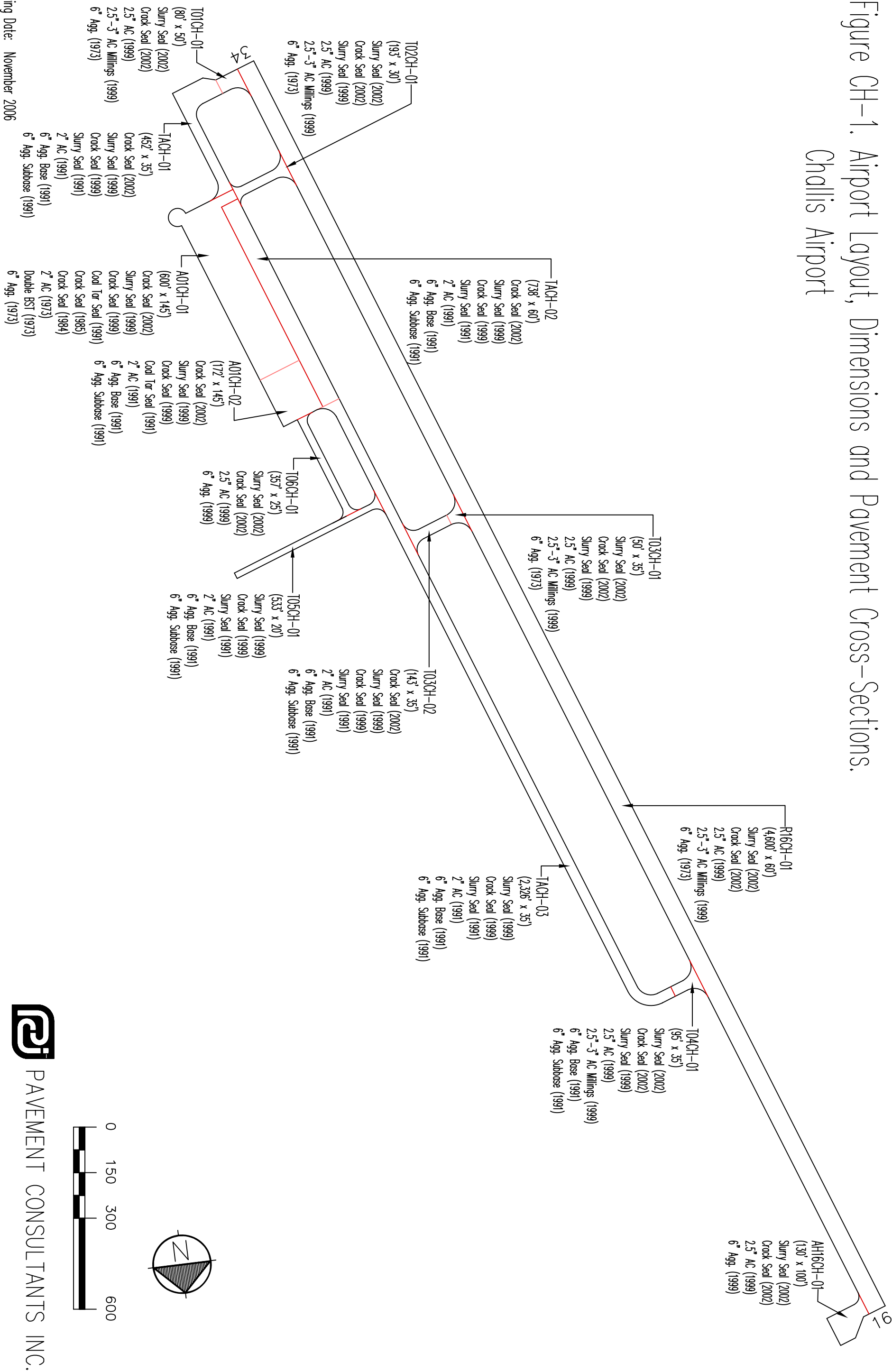
To determine how your pavements were constructed and their age, a records review was conducted. Figure CH-1 shows the records review results. This figure shows pavement boundaries, dimensions, pavement layer types, thicknesses and dates of construction. Table CH-1, provided in Appendix 1, contains the up-to-date cross-section information for each pavement section. The most recent construction date for each pavement can also be found in the Section Condition Report in Appendix 2. Figure CH-1, Table CH-1, and the information contained in Appendices 1 and 2 ensure that your airport complies with the “pavement inventory” requirement of FAA’s PMMP guidelines.

The pavements at your airport were divided into branches, sections and sample units in accordance with the methodology outlined in the current editions of FAA Advisory Circular AC:150/5380-6, *Guidelines and Procedures for Maintenance of Airport Pavements* and ASTM D5430, *Standard Test Method for Airport Condition Index Surveys*. The branches, sections and sample units established at your airport are shown in Figure CH-2. A Branch Condition Report showing all branches, their associated areas, and area-weighted average condition is provided in Appendix 2. Additionally, the Appendix 2 Section Condition Report provides information that the Micro PAVER pavement management software uses to define each branch and section.

Using the branch, section and sample unit divisions established, a visual condition survey was conducted at Challis Airport on October 30, 2006. During the inspection pavement defects were identified and measured in accordance with the methodology outlined in FAA AC:150/5380-6 and ASTM D5430. Our inspection ensures your airport complies with the “detailed inspection” requirement of FAA’s PMMP guidelines. After collection, the data were entered into the Micro PAVER software for analysis. These data are reproduced in the Re-Inspection Report attached as Appendix 2. Photographs of typical distresses observed during the inspections are provided in Appendix 3.

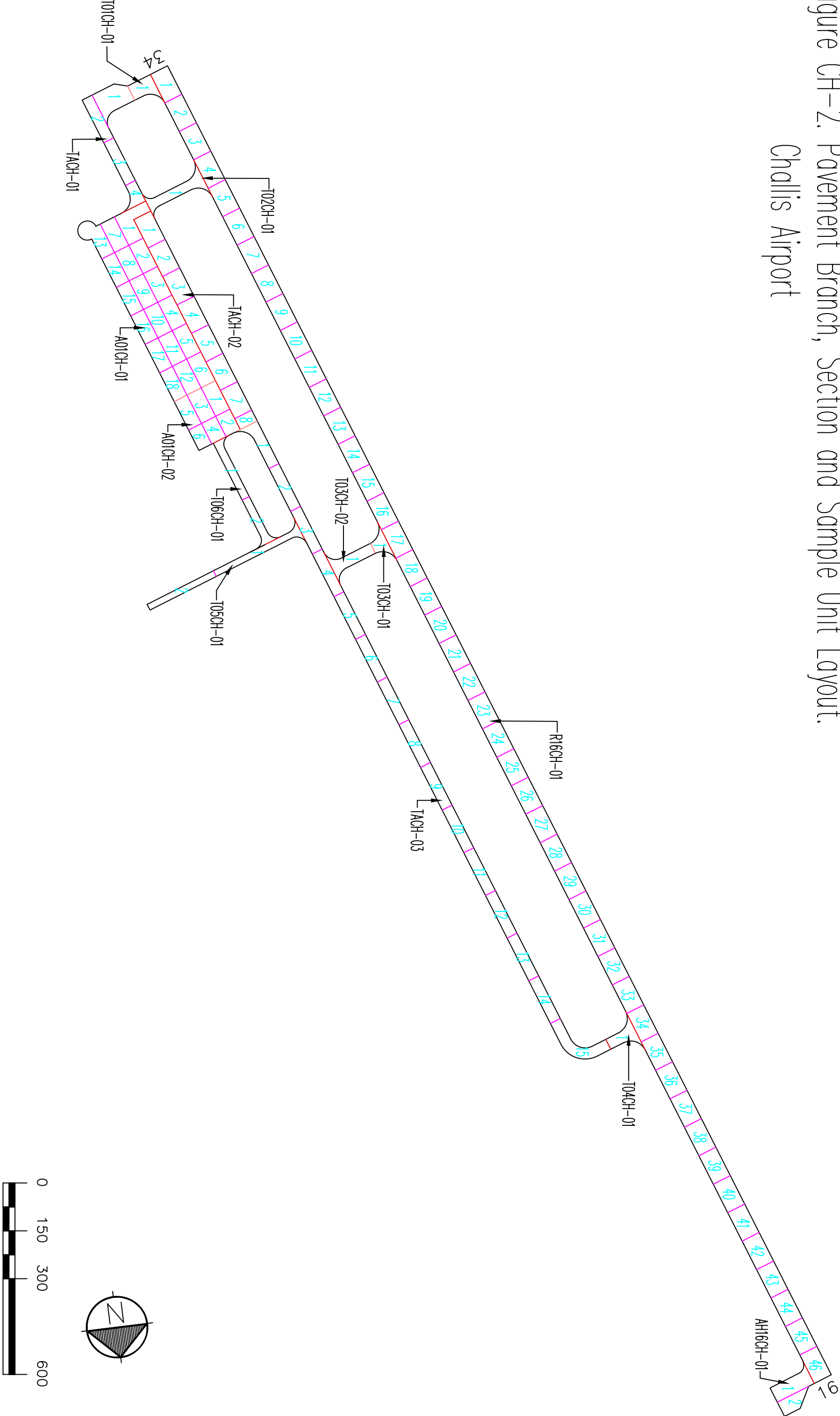
The Micro PAVER database updated during this project ensures your airport complies with the “record keeping and information retrieval” requirements of FAA’s PMMP guidelines.

Figure CH-1. Airport Layout, Dimensions and Pavement Cross-Sections.  
Challis Airport



Drawing Date: November 2006

Figure CH-2. Pavement Branch, Section and Sample Unit Layout.  
Challis Airport



## RESULTS

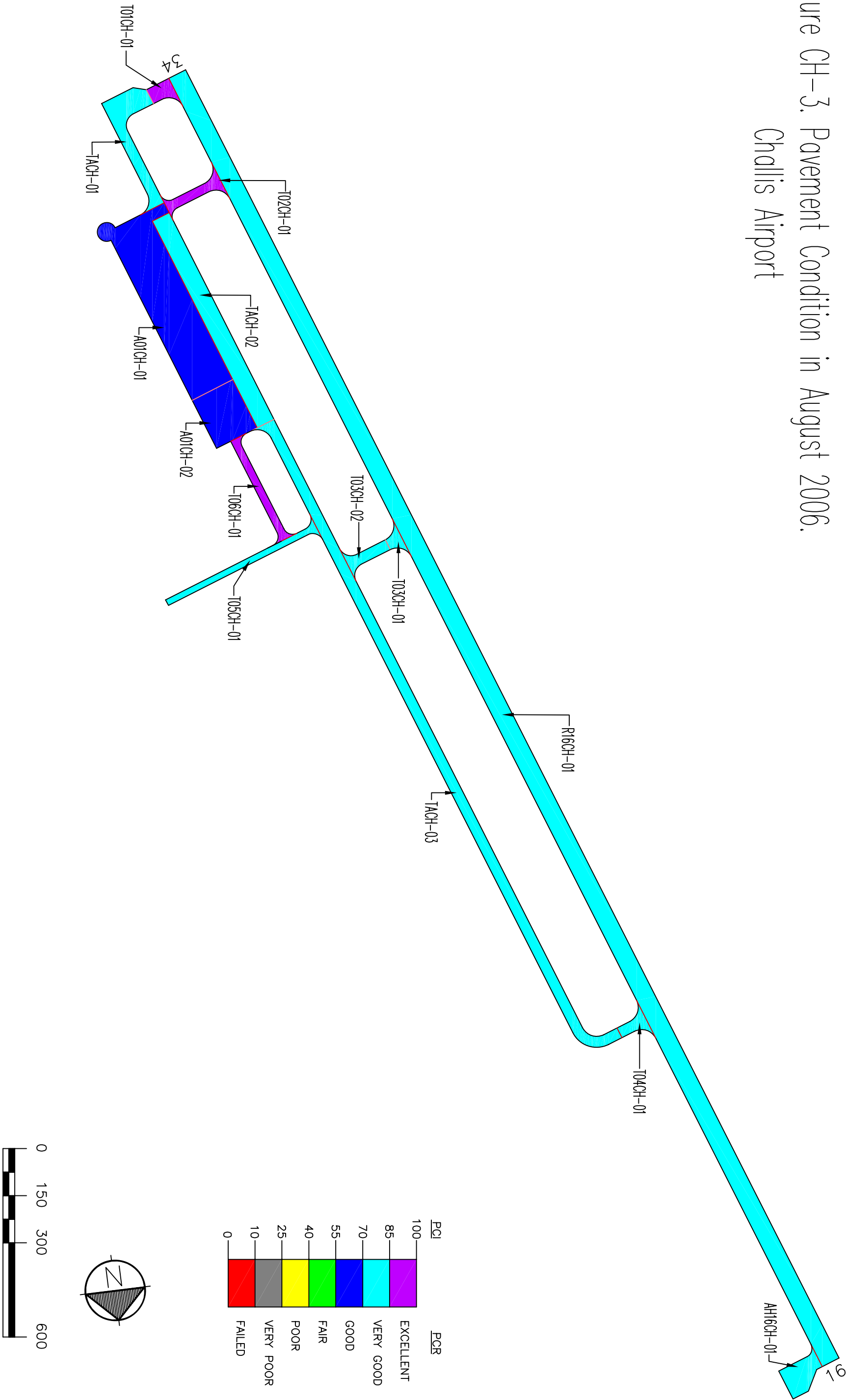
Using the data collected during the visual inspection, the Micro PAVER software calculated a Pavement Condition Index (PCI) for each pavement section inspected by averaging the PCIs for inspected sample units. Using each section's PCI, a Pavement Condition Rating (PCR) was assigned. The PCIs and associated PCRs from this inspection are shown in Table CH-2. This table also contains projected PCIs for 2011 and 2016 based on pavement deterioration models developed by Micro PAVER using the inspection data from pavements in Idaho having the same surface types. The Branch Condition Report in Appendix 2 summarizes current pavement condition by branch while the Section Condition Report in Appendix 2 lists pavement condition by section. The current PCR is shown graphically in Figure CH-3.

**Table CH-2. Present and Future Pavement Condition Indices.**

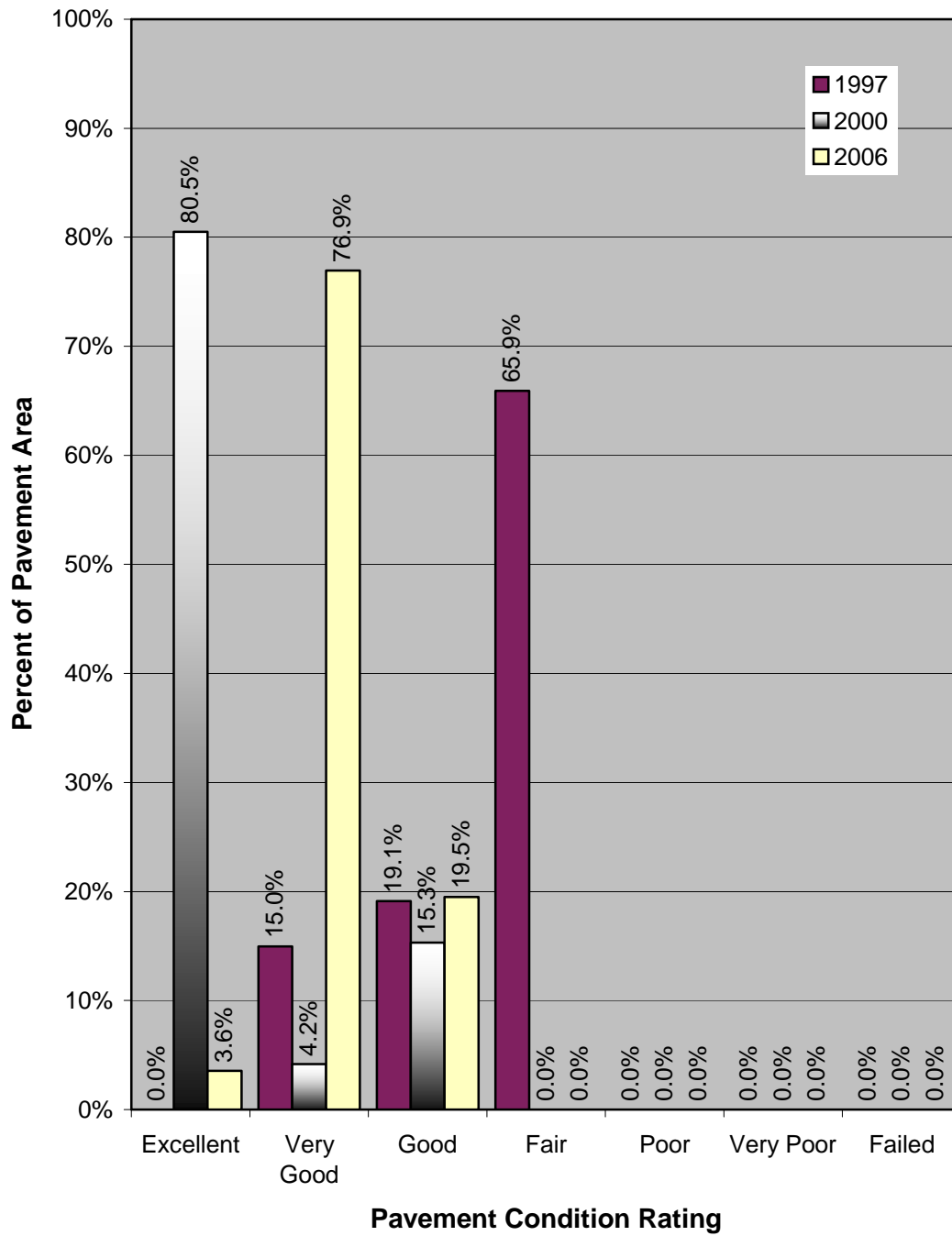
Branch	Section	2006		2011		2016	
		PCI	PCR	PCI	PCR	PCI	PCR
A01CH	01	58	Good	47	Fair	38	Poor
A01CH	02	62	Good	51	Fair	41	Fair
AH16CH	01	77	Very Good	64	Good	53	Fair
R16CH	01	82	Very Good	75	Very Good	62	Good
T01CH	01	100	Excellent	86	Excellent	75	Very Good
T02CH	01	93	Excellent	81	Very Good	70	Good
T03CH	01	83	Very Good	72	Very Good	61	Good
T03CH	02	73	Very Good	62	Good	51	Fair
T04CH	01	80	Very Good	69	Good	58	Good
T05CH	01	72	Very Good	61	Good	50	Fair
T06CH	01	92	Excellent	80	Very Good	69	Good
TACH	01	76	Very Good	65	Good	54	Fair
TACH	02	74	Very Good	63	Good	52	Fair
TACH	03	82	Very Good	71	Very Good	60	Good

Section PCIs at the airport range from a low of 58 (a PCR of "Good") to a high of 100 (a PCR of "Excellent"). The area-weighted average PCI for all airport pavements is 76, corresponding to an overall PCR of "Very Good". Figure CH-4 shows how much pavement area is associated with each Pavement Condition Rating category and also shows pavement condition distribution from the inspections conducted in 1997 and 2000. A graphical representation of the projected PCRs presented in Table CH-2 is shown in Figure CH-5.

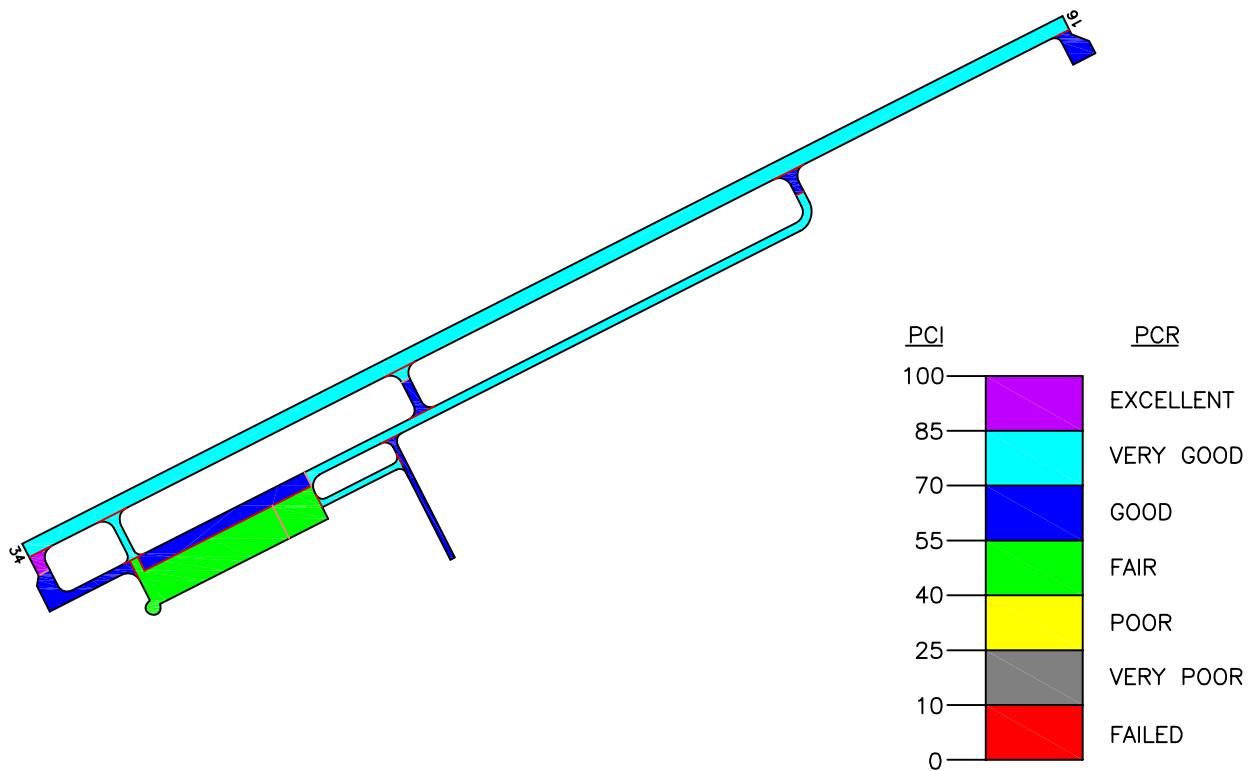
Figure CH-3. Pavement Condition in August 2006.  
Challis Airport



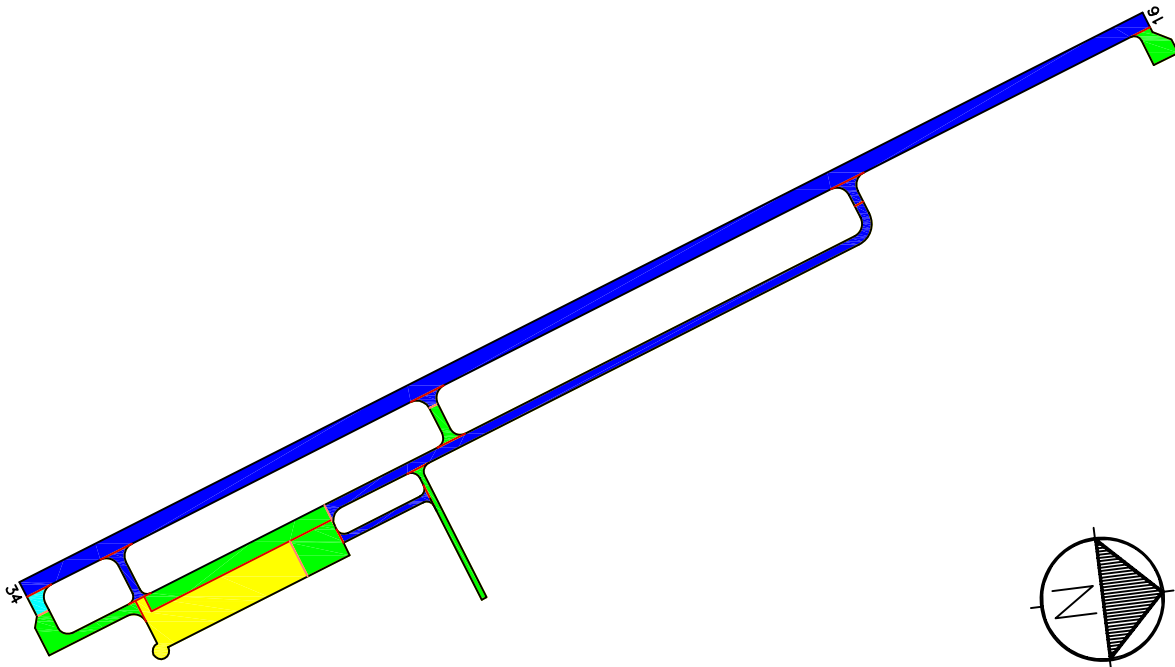
**Figure CH-4. Distribution of Pavement Condition  
Challis Airport**



**Predicted Condition in 2011.**



**Predicted Condition in 2016.**



Drawing Date: November 2006

 PAVEMENT CONSULTANTS INC.

**Figure CH-5. Future Pavement Condition.**

The primary distresses observed during the inspection were block cracking, longitudinal and transverse cracking, and weathering/raveling with isolated occurrences of bleeding and swelling.

## **RECOMMENDATIONS**

Data collected during the visual condition survey were used by the Micro PAVER software to generate the Network Maintenance Report contained in Appendix 4. This report identifies, for each pavement section, the recommended localized maintenance activities that should be completed to repair the defects observed during the visual inspection. The repair quantities identified in the report were extrapolated to cover the entire pavement section, based on the inspected sample units. If the repair activities identified are completed, the pavement deterioration rate will slow.

The localized maintenance activities to be applied are selected by the Micro PAVER software based on the Maintenance & Repair (M&R) policy established for the Idaho airport system. The report results indicate that, over the entire airport, the following quantities of localized maintenance are needed:

- 15,790 linear feet of asphalt concrete crack sealing.
- 80 square feet of asphalt concrete shallow patching.

The Micro PAVER software also can identify and schedule recommended global (applied over an entire section) maintenance activities such as fog seals, slurry seals and other surface treatments, as well as major rehabilitation activities such as asphalt concrete overlays and complete reconstruction. To determine when a pavement section requires global maintenance or rehabilitation, Micro PAVER uses the pavement deterioration models developed during this project. These models are used to estimate future pavement condition and to schedule global maintenance and rehabilitation recommendations based on a trigger PCI.

During this project a 5-year program outlining recommended global maintenance and rehabilitation was developed. The program begins in 2007. These recommendations are presented in Table CH-3, which identifies the pavement section requiring rehabilitation, the year the action should be completed, the type of action, and an associated cost. This information is also presented graphically in Figure CH-6.

**Table CH-3. Five-Year Global Maintenance and Rehabilitation Plan.**

<b>Year</b>	<b>Branch</b>	<b>Section</b>	<b>Action</b>	<b>Area (sf)</b>	<b>Unit Cost (\$/sf)</b>	<b>Total Cost (\$)</b>
2007	A01CH	01	Slurry Seal	91,366	\$0.21	\$19,187
	A01CH	02	Slurry Seal	24,940	\$0.21	\$5,237
	AH16CH	01	Slurry Seal	10,818	\$0.21	\$2,272
	R16CH	01	Slurry Seal	276,000	\$0.21	\$57,960
	T01CH	01	Slurry Seal	4,537	\$0.21	\$953
	T02CH	01	Slurry Seal	7,234	\$0.21	\$1,519
	T03CH	01	Slurry Seal	2,823	\$0.21	\$593
	T03CH	02	Slurry Seal	5,674	\$0.21	\$1,192
	T04CH	01	Slurry Seal	4,398	\$0.21	\$924
	T05CH	01	Slurry Seal	11,186	\$0.21	\$2,349
	T06CH	01	Slurry Seal	9,492	\$0.21	\$1,993
	TACH	01	Slurry Seal	21,900	\$0.21	\$4,599
	TACH	02	Slurry Seal	44,280	\$0.21	\$9,299
	TACH	03	Slurry Seal	81,948	\$0.21	\$17,209
2007 Total						\$125,285
<b>TOTAL</b>						<b>\$125,285</b>

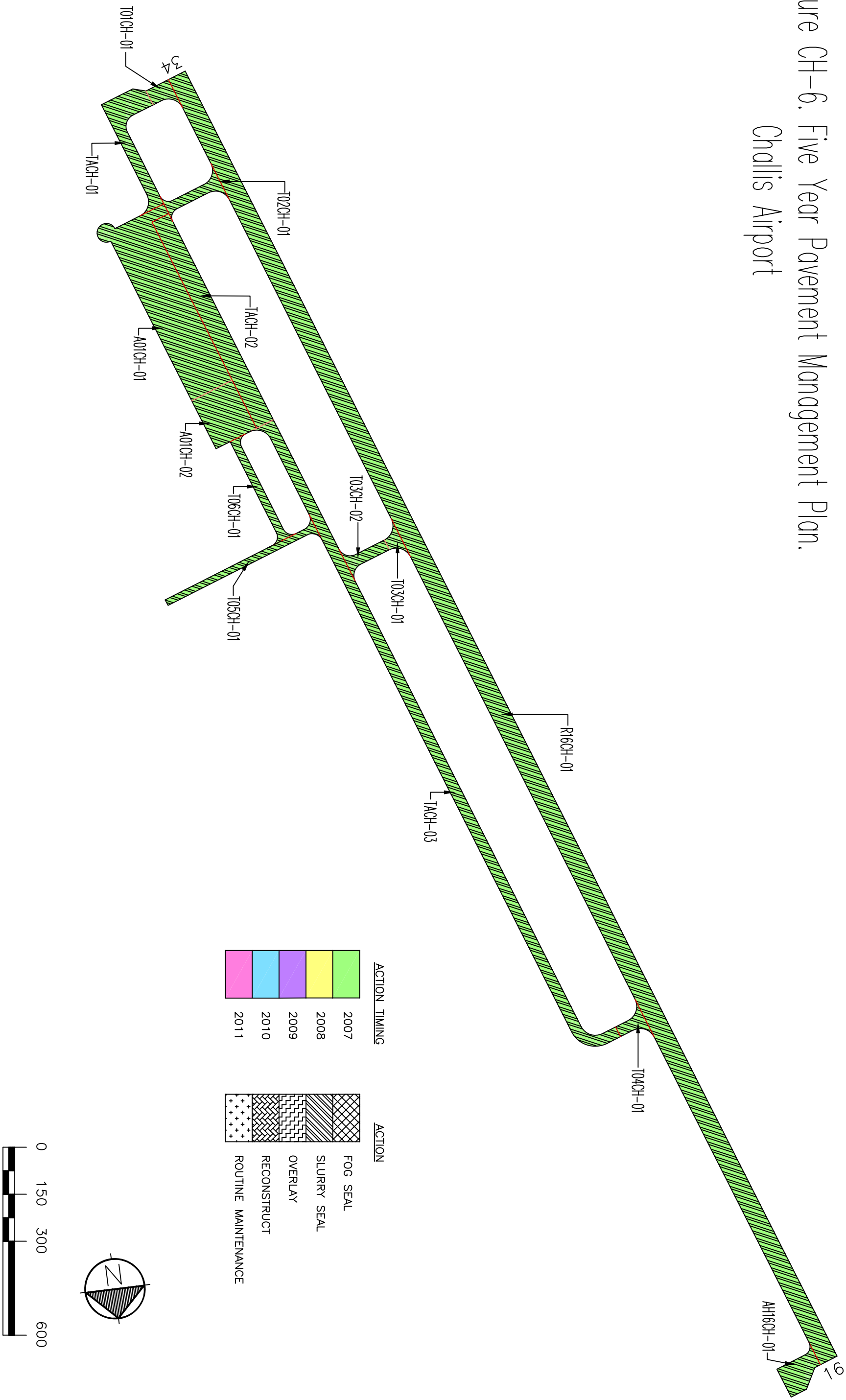
If the global maintenance or rehabilitation activities recommended in Table CH-3 are not completed, the localized maintenance activities identified in the Network Maintenance Report (Appendix 4) for that section should be completed. Additionally, for those sections not listed in Table CH-3 as requiring global maintenance or rehabilitation, the localized maintenance activities outlined in the Network Maintenance Report should be completed. By completing the localized maintenance activities, pavement condition is improved, life is extended, deterioration is slowed and the length of time until major repair or rehabilitation is required is increased.

## **INSPECTION SCHEDULE**

To comply with the inspection schedule requirement of FAA Grant Assurance Number 11, a detailed visual inspection should be conducted every three (3) years using the methodology in FAA AC:150/5380-6 and ASTM D5430. The next scheduled detailed visual inspection should take place during 2009.

In addition, as part of the FAA-mandated pavement maintenance management program, a drive-by inspection must be conducted monthly to detect unforeseen or abrupt changes in pavement condition that have occurred since the last monthly inspection. Additionally, any maintenance activities completed during the previous month should be noted. The results of each drive-by inspection should be recorded and kept on file for five (5) years.

Figure CH-6. Five Year Pavement Management Plan.  
Challis Airport



This inspection can easily be accomplished by driving your airport and recording your observations on the “Monthly Drive-By Inspection Form” provided as Figure CH-7. Each drive-by inspection should note the date of the inspection, any change in pavement condition, and an indication of any maintenance performed since the last drive-by inspection. A copy of each drive-by inspection report should be sent to Mr. William P. Statham at the Idaho Division of Aeronautics, P.O. Box 7129, Boise, ID 83709.

## **RECORD KEEPING**

As part of the FAA-mandated pavement maintenance management program, you must record and keep on file for a minimum of five (5) years, complete information about all detailed pavement inspections and maintenance performed. The types of distress, their locations, and remedial actions, scheduled or performed, must be documented. The minimum information to be recorded is:

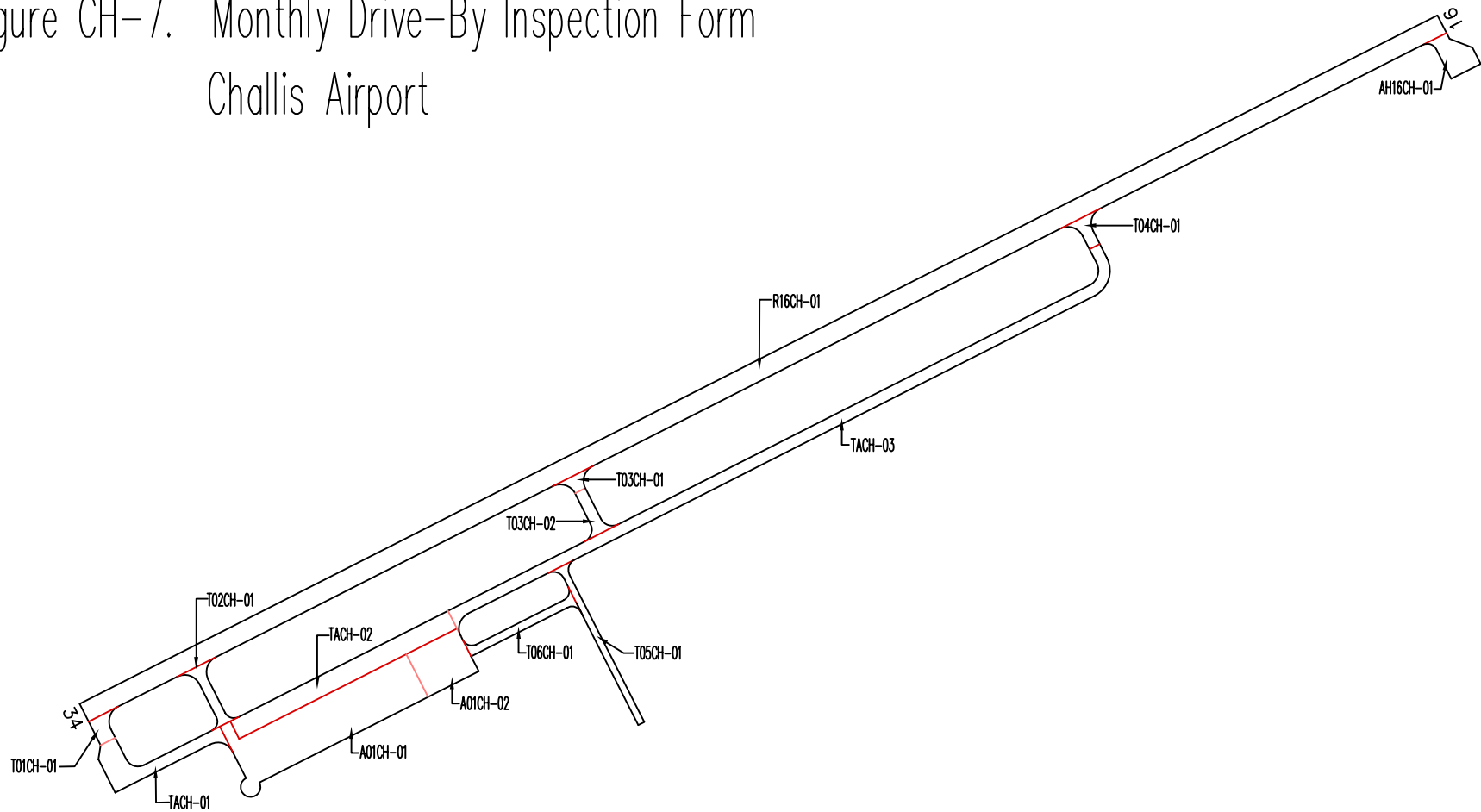
- Inspection date
- Location of pavement distress
- Distress types observed
- Type of maintenance scheduled or performed
- Date maintenance was performed

It would be useful to maintain documentation as to the type of maintenance completed such as engineering reports, drawings and specifications.

Note that you may use any form or record keeping you deem appropriate so long as the information and records produced by the pavement survey can be retrieved as necessary for any reports required by the FAA.

This report fulfills FAA’s record keeping requirements. Additionally, this report and any subsequent information compiled by you will form the basis of the next detailed inspection and evaluation.

Figure CH-7. Monthly Drive-By Inspection Form  
Challis Airport



Inspection Date: \_\_\_\_\_

Inspected By: \_\_\_\_\_

Branch	Section	Maintenance Performed Since Last Inspection

Note any changed condition on drawing

Send a copy of the inspection report to:

Willaims P. Statham, Idaho Division of Aeronautics

P.O. Box 7129 / Boise, ID 83707-1129

Fax: (208) 334-8789

## TABLE CH-1. PAVEMENT HISTORY REPORT

Airport Name: Challis Airport  
Date Prepared: 01 February 2007

Page 1 of 4

Feature Number	Soil Class	Subgrade	CBR	Subgrade	Frost Course	Subbase Course	Base Course	Surface Course	Overlay Course	Surface Treatment	Crack Seal
		Class		Prep.							
	Project Number										
R16CH 01	E2	Fa					6" P-208				
	ADAP-01			1973							
R16CH 01								2.5-3" AC Millings	2.5" AC P-401		
				1999							
R16CH 01										Slurry Seal P-626	Crack Seal P-605
				2002							
T01CH 01	E2	Fa					6" P-208				
	ADAP-01			1973							
T01CH 01								2.5-3" AC Millings	2.5" AC P-401		
				1999							
T01CH 01										Slurry Seal P-626	Crack Seal P-605
				2002							
T02CH 01	E2	Fa					6" P-208				
	ADAP-01			1973							
T02CH 01								2.5-3" AC Millings	2.5" AC P-401	Slurry Seal P-626	
				1999							
T02CH 01										Slurry Seal P-626	Crack Seal P-605
				2002							
T03CH 01							6" P-208				
				1973							
T03CH 01								2.5-3" AC Millings	2.5" AC P-401	Slurry Seal	
				1999							
T03CH 01										Slurry Seal P-626	Crack Seal P-605
				2002							
T03CH 02						6" P-152	6" P-208	2" P-401		Slurry Seal P-626	
				1991							

## TABLE CH-1. PAVEMENT HISTORY REPORT

Airport Name: Challis Airport  
 Date Prepared: 01 February 2007

Page 2 of 4

Date Prepared: 01 February 2007

Feature Number	Soil Class	Subgrade	CBR	Subgrade Prep.	Frost Course	Subbase Course	Base Course	Surface Course	Overlay Course	Surface Treatment	Crack Seal
		Class									
	Project Number			Date							
T03CH 02				1999						Slurry Seal P-626	Crack Seal P-605
				2002							Crack Seal P-605
T03CH 02				2002							Crack Seal P-605
				2002							Crack Seal P-605
T04CH 01				1991		6" P-152	6" P-208				
				1991							
T04CH 01				1999				2.5-3" AC Millings	2.5" AC P-401	Slurry Seal	
				1999							
T04CH 01				2002						Slurry Seal P-626	Crack Seal P-605
				2002							
T05CH 01				1991		6" P-152	6" P-208	2" P-401		Slurry Seal P-626	
				1991							
T05CH 01				1999						Slurry Seal P-626	Crack Seal P-605
				1999							
T06CH 01				1999			6" P-208	2.5" AC P-401			
				1999							
T06CH 01				2002						Slurry Seal P-626	Crack Seal P-605
				2002							
TACH 01				1991		6" P-152	6" P-208	2" P-401		Slurry Seal P-626	
				1991							
TACH 01				1999						Slurry Seal P-626	Crack Seal P-605
				1999							
TACH 01				2002							Crack Seal P-605
				2002							
TACH 02				1991		6" P-152	6" P-208	2" P-401		Slurry Seal P-626	
				1991							

### TABLE CH-1. PAVEMENT HISTORY REPORT

Airport Name: Challis Airport  
Date Prepared: 01 February 2007

Page 3 of 4

Feature Number	Soil Class	Subgrade	CBR	Subgrade	Frost Course	Subbase Course	Base Course	Surface Course	Overlay Course	Surface Treatment	Crack Seal
		Class		Prep.							
	Project Number										
TACH 02										Slurry Seal P-626	Crack Seal P-605
				1999							
TACH 02											Crack Seal P-605
				2002							
TACH 03						6" P-152	6" P-208	2" P-401		Slurry Seal P-626	
				1991							
TACH 03										Slurry Seal P-626	Crack Seal P-605
				1999							
A01CH 01	E2	Fa					6" P-208	DBST P-609	2" AC P-401		
		ADAP-01		1973							
A01CH 01											Crack Seal P-605
				1984							
A01CH 01											Crack Seal P-605
				1985							
A01CH 01										Coal Tar Seal	
				1991							
A01CH 01										Slurry Seal P-626	Crack Seal P-605
				1999							
A01CH 01										Slurry Seal P-626	Crack Seal P-605
				2002							
A01CH 02						6" P-152	6" P-208	2" P-401		Coal Tar Seal	
				1991							
A01CH 02										Slurry Seal P-626	Crack Seal P-605
				1999							
A01CH 02											Crack Seal P-605
				2002							

## TABLE CH-1. PAVEMENT HISTORY REPORT

Airport Name: Challis Airport  
 Date Prepared: 01 February 2007

Page 4 of 4

Feature Number	Soil Class	Subgrade	CBR	Subgrade Prep.	Frost Course	Subbase Course	Base Course	Surface Course	Overlay Course	Surface Treatment	Crack Seal
		Class									
	Project Number				Date						
AH16CH 01				1999			6" P-208	2.5" AC P-401			
				2002							
AH16CH 01										Slurry Seal P-626	Crack Seal P-605

Date: 5 /18/2007

**Branch Condition Report**

1 of 2

Pavement Database: NetworkID: CHALLIS

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
A01CH (Apron 01 Challis)	2	772.00	145.00	116,306.00	APRON	60.00	2.00	58.86
AH16CH (Hold Apron 16 Challis)	1	130.00	100.00	10,818.00	APRON	77.00	0.00	77.00
R16CH (Runway 16/34 Challis)	1	4,600.00	60.00	276,000.01	RUNWAY	82.00	0.00	82.00
T01CH (Taxiway 01 Challis)	1	80.00	50.00	4,537.00	TAXIWAY	100.00	0.00	100.00
T02CH (Taxiway 02 Challis)	1	193.00	30.00	7,234.00	TAXIWAY	93.00	0.00	93.00
T03CH (Taxiway 03 Challis)	2	193.00	35.00	8,497.00	TAXIWAY	78.00	5.00	76.32
T04CH (Taxiway 04 Challis)	1	95.00	35.00	4,398.00	TAXIWAY	80.00	0.00	80.00
T05CH (Taxiway 05 Challis)	1	533.00	20.00	11,186.00	TAXIWAY	72.00	0.00	72.00
T06CH (Taxiway 06 Challis)	1	357.00	25.00	9,492.00	TAXIWAY	92.00	0.00	92.00
TACH (Taxiway A Challis)	3	3,516.00	43.33	148,128.00	TAXIWAY	77.33	3.40	78.72

Date: 5 /18/2007

## Branch Condition Report

2 of 2

*Pavement Database:*

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	3	127,124.00	65.67	8.18	60.40
RUNWAY	1	276,000.01	82.00	0.00	82.00
TAXIWAY	10	193,472.00	82.50	9.10	79.94
<b>All</b>	<b>14</b>	<b>596,596.01</b>	<b>78.86</b>	<b>11.00</b>	<b>76.73</b>

Date: 5 /18/2007

## Section Condition Report

1 of 2

Pavement Database: NetworkID: CHALLIS

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
A01CH (Apron 01 Challis)	01	08/01/1973	AC	APRON	P	0	91,366.00	10/30/2006	33	58.00
A01CH (Apron 01 Challis)	02	06/02/1999	AC	APRON	P	0	24,940.00	10/30/2006	7	62.00
AH16CH (Hold Apron 16 Challis)	01	06/02/1999	AC	APRON	P	0	10,818.00	10/30/2006	7	77.00
R16CH (Runway 16/34 Challis)	01	06/02/1999	AC	RUNWAY	P	0	276,000.01	10/30/2006	7	82.00
T01CH (Taxiway 01 Challis)	01	06/02/1999	AC	TAXIWAY	P	0	4,537.00	10/30/2006	7	100.00
T02CH (Taxiway 02 Challis)	01	06/02/1999	AC	TAXIWAY	P	0	7,234.00	10/30/2006	7	93.00
T03CH (Taxiway 03 Challis)	01	06/02/1999	AC	TAXIWAY	P	0	2,823.00	10/30/2006	7	83.00
T03CH (Taxiway 03 Challis)	02	08/01/1991	AC	TAXIWAY	P	0	5,674.00	10/30/2006	15	73.00
T04CH (Taxiway 04 Challis)	01	06/02/1999	AC	TAXIWAY	P	0	4,398.00	10/30/2006	7	80.00
T05CH (Taxiway 05 Challis)	01	08/01/1991	AC	TAXIWAY	S	0	11,186.00	10/30/2006	15	72.00
T06CH (Taxiway 06 Challis)	01	06/02/1999	AC	TAXIWAY	S	0	9,492.00	10/30/2006	7	92.00
TACH (Taxiway A Challis)	01	08/01/1991	AC	TAXIWAY	P	0	21,900.00	10/30/2006	15	76.00
TACH (Taxiway A Challis)	02	08/01/1991	AC	TAXIWAY	P	0	44,280.00	10/30/2006	15	74.00
TACH (Taxiway A Challis)	03	08/01/1991	AC	TAXIWAY	P	0	81,948.00	10/30/2006	15	82.00

Date: 5 /18/2007

## Section Condition Report

2 of 2

*Pavement Database:*

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
06-10	7.00	340,242.01	8	83.63	10.92	81.11
11-15	15.00	164,988.00	5	75.40	3.56	78.07
31-35	33.00	91,366.00	1	58.00	0.00	58.00
All	11.71	596,596.01	14	78.86	11.00	76.73

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	A01CH	Name:	Apron 01 Challis	Use:	APRON	Area:	116,306.00SqFt
Section:	01	of	2	From:	Taxiway A	To:	Section 02
Surface:	AC	Family:	Idaho AC Aprons	Zone:	U15	Category:	6
Area:	91,366.00SqFt	Length:	600.00Ft	Width:	145.00Ft	Rank:	P
Shoulder:	Street Type:	Grade:	0.00	Lanes:	0	Last Const.:	8/1/1973
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 18    Surveyed: 5  
Conditions: PCI:58.00 |

Sample Number:	01	Type:	R	Area:	5,000.00SqFt	PCI =	58
43	BLOCK CRACKING			L	3,999.97 SqFt		
43	BLOCK CRACKING			M	999.99 SqFt		
Sample Number:	08	Type:	R	Area:	5,000.00SqFt	PCI =	58
43	BLOCK CRACKING			L	3,999.97 SqFt		
43	BLOCK CRACKING			M	999.99 SqFt		
Sample Number:	10	Type:	R	Area:	5,000.00SqFt	PCI =	58
43	BLOCK CRACKING			L	3,999.97 SqFt		
43	BLOCK CRACKING			M	999.99 SqFt		
Sample Number:	12	Type:	R	Area:	5,050.00SqFt	PCI =	58
43	BLOCK CRACKING			L	3,999.97 SqFt		
43	BLOCK CRACKING			M	1,049.99 SqFt		
Sample Number:	15	Type:	R	Area:	4,500.00SqFt	PCI =	58
43	BLOCK CRACKING			L	3,599.97 SqFt		
43	BLOCK CRACKING			M	899.99 SqFt		

# Re-inspection Report

idaho2006

Report Generated Date: 5/18/2007

Site Name:

Network: CHALLIS Name: CHALLIS AIRPORT

Branch: A01CH Name: Apron 01 Challis Use: APRON Area: 116,306.00SqFt

Section: 02 of 2 From: Section 01 To: Taxiway A Last Const.: 6/2/1999  
Surface: AC Family: Idaho AC Aprons Zone: U15 Category: 6 Rank: P  
Area: 24,940.00SqFt Length: 172.00Ft Width: 145.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0  
Section Comments:

Last Insp. Date: 10/30/2006 Total Samples: 6 Surveyed: 3  
Conditions: PCI: 62.00 |

Sample Number: 01 Type: R Area: 5,000.00SqFt PCI = 59  
43 BLOCK CRACKING M 320.00 SqFt  
48 LONGITUDINAL/TRANSVERSE CRACKING M 215.06 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING L 90.02 Ft  
43 BLOCK CRACKING L 600.00 SqFt

Sample Number: 03 Type: R Area: 5,000.00SqFt PCI = 81  
48 LONGITUDINAL/TRANSVERSE CRACKING L 65.02 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 81.02 Ft

Sample Number: 05 Type: R Area: 4,500.00SqFt PCI = 44  
43 BLOCK CRACKING M 1,499.99 SqFt  
48 LONGITUDINAL/TRANSVERSE CRACKING M 268.07 Ft  
43 BLOCK CRACKING L 1,499.99 SqFt

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	AH16CH	Name:	Hold Apron 16 Challis	Use:	APRON	Area:	10,818.00SqFt
Section:	01	of	1	From:	Runway 16 End	To:	East End
Surface:	AC	Family:	Idaho AC Aprons	Zone:		Category:	Rank: P
Area:	10,818.00SqFt	Length:	130.00Ft	Width:	100.00Ft		
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 2    Surveyed: 2  
Conditions: PCI:77.00 |

Sample Number:	01	Type:	R	Area:	6,693.00SqFt	PCI = 81
48	LONGITUDINAL/TRANSVERSE	CRACKING	L	166.04	Ft	
48	LONGITUDINAL/TRANSVERSE	CRACKING	M	107.03	Ft	
Sample Number:	02	Type:	R	Area:	4,125.00SqFt	PCI = 71
48	LONGITUDINAL/TRANSVERSE	CRACKING	L	12.00	Ft	
48	LONGITUDINAL/TRANSVERSE	CRACKING	M	91.02	Ft	
52	WEATHERING/RAVELING		M	5.00	SqFt	
56	SWELLING		M	5.00	SqFt	

# Re-inspection Report

idaho2006

Report Generated Date: 5/18/2007

Site Name:

Network: CHALLIS Name: CHALLIS AIRPORT

Branch: R16CH Name: Runway 16/34 Challis Use: RUNWAY Area: 276,000.01SqFt

Section: 01 of 1 From: Runway 34 End To: Runway 16 End Last Const.: 6/2/1999  
Surface: AC Family: Idaho AC Runways Zone: U15 Category: 6 Rank: P  
Area: 276,000.01SqFt Length: 4,600.00Ft Width: 60.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0  
Section Comments:

Last Insp. Date: 10/30/2006 Total Samples: 46 Surveyed: 6  
Conditions: PCI: 82.00 |

Sample Number: 01 Type: R Area: 6,000.00SqFt PCI = 89  
42 BLEEDING N 4.00 SqFt  
48 LONGITUDINAL/TRANSVERSE CRACKING L 126.03 Ft  
52 WEATHERING/RAVELING L 77.00 SqFt

Sample Number: 10 Type: R Area: 6,000.00SqFt PCI = 81  
48 LONGITUDINAL/TRANSVERSE CRACKING L 125.03 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 100.03 Ft

Sample Number: 19 Type: R Area: 6,000.00SqFt PCI = 80  
48 LONGITUDINAL/TRANSVERSE CRACKING L 67.02 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 100.03 Ft  
52 WEATHERING/RAVELING L 5.00 SqFt

Sample Number: 28 Type: R Area: 6,000.00SqFt PCI = 81  
48 LONGITUDINAL/TRANSVERSE CRACKING L 132.03 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 89.02 Ft

Sample Number: 37 Type: R Area: 6,000.00SqFt PCI = 79  
48 LONGITUDINAL/TRANSVERSE CRACKING L 191.05 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 125.03 Ft

Sample Number: 45 Type: R Area: 6,000.00SqFt PCI = 81  
48 LONGITUDINAL/TRANSVERSE CRACKING L 230.06 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 100.03 Ft

## idaho2006

Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT							
Branch:	T01CH	Name:	Taxiway 01 Challis			Use:	TAXIWAY	Area:	4,537.00SqFt	
Section:	01	of	1	From:	Runway 34 End	To:	Taxiway A	Last Const.: 6/2/1999		
Surface:	AC	Family:	Idaho AC Taxiways		Zone:	WEST	Category:	6	Rank:	P
Area:	4,537.00SqFt	Length:	80.00Ft		Width:	50.00Ft				
Shoulder:	Street Type:		Grade:	0.00	Lanes:	0				
Section Comments:										
Last Insp. Date		10/30/2006	Total Samples:	1	Surveyed:	1				
Conditions: PCI:100.00										
Sample Number:		01	Type:	R	Area:	4,537.00SqFt		PCI = 100		
<NO DISTRESSES>										

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T02CH	Name:	Taxiway 02 Challis	Use:	TAXIWAY	Area:	7,234.00SqFt
Section:	01	of	1	From:	Runway 16	To:	Apron 01
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	7,234.00SqFt	Length:	193.00Ft	Width:	30.00Ft	Rank:	P
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 1    Surveyed: 1  
Conditions: PCI:93.00 |

Sample Number:	01	Type:	R	Area:	7,234.00SqFt	PCI =	93
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	145.04 Ft		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T03CH	Name:	Taxiway 03 Challis	Use:	TAXIWAY	Area:	8,497.00SqFt
Section:	01	of	2	From:	Runway 16	To:	Section 02
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	2,823.00SqFt	Length:	50.00Ft	Width:	35.00Ft	Rank:	P
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 1    Surveyed: 1  
Conditions: PCI:83.00 |

Sample Number:	01	Type:	R	Area:	2,823.00SqFt	PCI =	83
48	LONGITUDINAL/TRANSVERSE	CRACKING	L		72.02 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING	M		35.01 Ft		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T03CH	Name:	Taxiway 03 Challis	Use:	TAXIWAY	Area:	8,497.00SqFt
Section:	02	of	2	From:	Section 01	To:	Taxiway A
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	5,674.00SqFt	Length:	143.00Ft	Width:	35.00Ft	Rank:	P
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 1    Surveyed: 1  
Conditions: PCI:73.00 |

Sample Number:	01	Type:	R	Area:	5,674.00SqFt	PCI =	73
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	151.04 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	219.06 Ft		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T04CH	Name:	Taxiway 04 Challis	Use:	TAXIWAY	Area:	4,398.00SqFt
Section:	01	of	1	From:	Taxiway A	To:	Runway 16
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	4,398.00SqFt	Length:	95.00Ft	Width:	35.00Ft	Rank:	P
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 1    Surveyed: 1  
Conditions: PCI:80.00 |

Sample Number:	01	Type:	R	Area:	2,823.00SqFt	PCI =	80
48	LONGITUDINAL/TRANSVERSE	CRACKING	L		35.01 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING	M		53.01 Ft		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T05CH	Name:	Taxiway 05 Challis	Use:	TAXIWAY	Area:	11,186.00SqFt
Section:	01	of	1	From:	Taxiway A	To:	East End
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	11,186.00SqFt	Length:	533.00Ft	Width:	20.00Ft	Rank:	s
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 2    Surveyed: 2  
Conditions: PCI:72.00 |

Sample Number:	01	Type:	R	Area:	6,526.00SqFt	PCI =	76
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	124.03 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	194.05 Ft		
Sample Number:	02	Type:	R	Area:	4,660.00SqFt	PCI =	66
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	90.02 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	45.01 Ft		
52	WEATHERING/RAVELING			H	80.00 SqFt		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	T06CH	Name:	Taxiway 06 Challis	Use:	TAXIWAY	Area:	9,492.00SqFt
Section:	01	of	1	From:	Apron 01	To:	Taxiway 05
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	9,492.00SqFt	Length:	357.00Ft	Width:	25.00Ft	Rank:	s
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 2    Surveyed: 2  
Conditions: PCI:92.00 |

Sample Number:	01	Type:	R	Area:	5,193.00SqFt	PCI =	87
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	9.00 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	45.01 Ft		
Sample Number:	02	Type:	R	Area:	4,299.00SqFt	PCI =	97
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	5.00 Ft		

Re-inspection Report

idaho2006  
Report Generated Date: 5/18/2007  
Site Name:

Network:	CHALLIS	Name:	CHALLIS AIRPORT				
Branch:	TACH	Name:	Taxiway A Challis	Use:	TAXIWAY	Area:	148,128.00SqFt
Section:	01	of	3	From:	Taxiway 01	To:	Section 02
Surface:	AC	Family:	Idaho AC Taxiways	Zone:	U15	Category:	6
Area:	21,900.00SqFt	Length:	452.00Ft	Width:	35.00Ft	Rank:	P
Shoulder:		Street Type:		Grade:	0.00	Lanes:	0
Section Comments:							

Last Insp. Date10/30/2006    Total Samples: 4    Surveyed: 3  
Conditions: PCI:76.00 |

Sample Number:	01	Type:	R	Area:	8,343.00SqFt	PCI =	71
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	130.03 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	372.10 Ft		
Sample Number:	02	Type:	R	Area:	5,250.00SqFt	PCI =	87
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	72.02 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	24.01 Ft		
Sample Number:	03	Type:	R	Area:	5,250.00SqFt	PCI =	72
48	LONGITUDINAL/TRANSVERSE	CRACKING		L	207.05 Ft		
48	LONGITUDINAL/TRANSVERSE	CRACKING		M	215.06 Ft		

# Re-inspection Report

idaho2006

Report Generated Date: 5/18/2007

Site Name:

Network: CHALLIS Name: CHALLIS AIRPORT

Branch: TACH Name: Taxiway A Challis Use: TAXIWAY Area: 148,128.00SqFt

Section: 02 of 3 From: Section 01 To: Section 03 Last Const.: 8/1/1991  
Surface: AC Family: Idaho AC Taxiways Zone: U15 Category: 6 Rank: P  
Area: 44,280.00SqFt Length: 738.00Ft Width: 60.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0  
Section Comments:

Last Insp. Date: 10/30/2006 Total Samples: 8 Surveyed: 4  
Conditions: PCI: 74.00 |

Sample Number: 01 Type: R Area: 6,000.00SqFt PCI = 73  
48 LONGITUDINAL/TRANSVERSE CRACKING L 47.01 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 232.06 Ft

Sample Number: 03 Type: R Area: 6,000.00SqFt PCI = 73  
48 LONGITUDINAL/TRANSVERSE CRACKING L 83.02 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 218.06 Ft

Sample Number: 05 Type: R Area: 6,000.00SqFt PCI = 75  
48 LONGITUDINAL/TRANSVERSE CRACKING L 43.01 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 200.05 Ft

Sample Number: 07 Type: R Area: 6,000.00SqFt PCI = 75  
48 LONGITUDINAL/TRANSVERSE CRACKING L 42.01 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 200.05 Ft

# Re-inspection Report

idaho2006

Report Generated Date: 5/18/2007

Site Name:

Network: CHALLIS Name: CHALLIS AIRPORT

Branch: TACH Name: Taxiway A Challis Use: TAXIWAY Area: 148,128.00SqFt

Section: 03 of 3 From: Section 02 To: Taxiway 04 Last Const.: 8/1/1991  
Surface: AC Family: Idaho AC Taxiways Zone: U15 Category: 6 Rank: P  
Area: 81,948.00SqFt Length: 2,326.00Ft Width: 35.00Ft  
Shoulder: Street Type: Grade: 0.00 Lanes: 0  
Section Comments:

Last Insp. Date: 10/30/2006 Total Samples: 15 Surveyed: 5  
Conditions: PCI: 82.00 |

Sample Number: 01 Type: R Area: 5,250.00SqFt PCI = 87  
48 LONGITUDINAL/TRANSVERSE CRACKING L 25.01 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 35.01 Ft

Sample Number: 05 Type: R Area: 5,250.00SqFt PCI = 89  
48 LONGITUDINAL/TRANSVERSE CRACKING L 78.02 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 12.00 Ft

Sample Number: 09 Type: R Area: 5,250.00SqFt PCI = 86  
48 LONGITUDINAL/TRANSVERSE CRACKING L 128.03 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 19.00 Ft

Sample Number: 13 Type: R Area: 5,250.00SqFt PCI = 75  
48 LONGITUDINAL/TRANSVERSE CRACKING L 173.04 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 169.04 Ft

Sample Number: 15 Type: R Area: 5,250.00SqFt PCI = 76  
48 LONGITUDINAL/TRANSVERSE CRACKING L 197.05 Ft  
48 LONGITUDINAL/TRANSVERSE CRACKING M 153.04 Ft



Section: A01CH-01  
Block Cracking



Section: A01CH-02  
Block Cracking



Section: T01CH-01  
No Distress



Section: T05CH-01  
Longitudinal/ Transverse Cracking



Section: T06CH-01  
Longitudinal/ Transverse Cracking

# NETWORK MAINTENANCE REPORT

## CHALLIS AIRPORT

[illegible]

## NETWORK MAINTENANCE REPORT - continued

### CHALLIS AIRPORT

[illegible]